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Reviewer: Anne Corrigan

Timestamp: [year=2011; month=9; day=19; hr=16; min=6; sec=0; ms=642; ]

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Application No: 10579655

Version No: 7.0

Input Set:

Output Set:

Started: 2011-09-19 15:50:22.574

Finished: 2011-09-19 15:50:28.478

Elapsed: 0 hr(s) 0 min(s) 5 sec(s) 904 ms

Total Warnings: 415

Total Errors: 0

No. of SeqIDs Defined: 415

Actual SeqID Count: 415

Error code	Error Description
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W 213	Artificial or Unknown found in <213> in SEQ ID (19)
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**Input Set:**

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**Started:** 2011-09-19 15:50:22.574  
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Error code

Error Description

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<120> METHODS FOR PURIFYING PERTUSSIS TOXIN AND PEPTIDES USEFUL THEREFOR

<130> API-03-15

<140> 10579655

<141> 2011-09-19

<150> 60/523,881

<151> 2003-11-20

<150> PCT/US2004/038700

<151> 2004-11-18

<160> 415

<170> PatentIn version 3.5

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Cys Gly

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Cys Cys Glu Pro Leu Glu Cys Thr Lys Gly Asp Leu Gly Phe Arg Lys  
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Gln Gln Cys Val Lys Lys Asp Glu Leu Cys Ile Pro Tyr Tyr Leu Asp  
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Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Asp Ala Asn Ala Pro  
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Lys Ala Ser Ala Ile  
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Val Lys Lys Asp Glu Leu Cys Ala Gly Ser Val Gly His Cys Cys Glu  
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Pro Leu Glu Cys Leu Arg Arg Phe Leu Asn Leu Arg Trp Cys Gly Ser  
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Gly Ser Ser Gly Ser Ser  
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Val Lys Lys Asp Glu Leu Cys Ile Val Met Arg Ala Pro Cys Cys Glu  
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Pro Leu Glu Cys Leu Arg Arg Tyr Met Leu Lys His Met Cys Gly Ser  
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Gly Ser Ser Gly Ser Ser  
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Val Lys Lys Asp Glu Leu Cys Lys Ala Phe Arg Tyr Ser Cys Cys Glu  
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Gly Ser Ser Gly Ser Ser  
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Val Lys Lys Asp Glu Leu Cys Leu Arg Ser Ser Ile Asp Cys Cys Glu  
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Val Lys Lys Asp Glu Leu Cys Trp Pro Arg Arg His Lys Cys Cys Glu  
20 25 30

Pro Leu Glu Cys Leu Leu Glu Met Leu Glu Arg Lys Arg Cys Gly Ser  
35 40 45

Gly Ser Ser Gly Ser Ser  
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35 40 45

Ser Ser Gly Ser Ser  
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Val Lys Lys Asp Glu Leu Cys Ala Val Trp Phe Asp Val Cys Cys Glu  
20 25 30

Pro Leu Glu Cys Thr Tyr Gln Ser Gly Tyr Tyr Trp Leu Cys Gly Ser  
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Gly Ser Ser Gly Ser Ser  
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20 25 30

Pro Leu Glu Cys Val Tyr Thr Ser Gly Tyr Tyr Tyr Ser Cys Gly Ser  
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Gly Ser Ser Gly Ser Ser  
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Val Lys Lys Asp Glu Leu Cys Ala Arg Trp Asp Leu Val Cys Cys Glu  
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Gly Ser Ser Gly Ser Ser  
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Val Lys Lys Asp Glu Leu Cys Val Phe Tyr Phe Pro Asn Cys Cys Glu  
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Pro Leu Glu Cys Arg Trp Val Asn Asp Asn Tyr Gly Trp Cys Gly Ser  
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Gly Ser Ser Gly Ser Ser  
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Pro Leu Glu Cys Lys Tyr His Gly Tyr Phe Trp Leu Cys Gly Ser Gly  
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Ser Ser Gly Ser Ser  
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Gly Ser Ser Gly Ser Ser  
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Val Lys Lys Asp Glu Leu Cys Ser Gln Ser Val Pro Met Cys Cys Glu

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Pro Leu Glu Cys Lys Trp Phe Asn Glu Asn Tyr Gly Ile Cys Gly Ser  
35 40 45

Gly Ser Ser Gly Ser Ser  
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Met His His His His His His Ser Gly Ser Ser Ser Gly Ser Gly Cys  
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Val Lys Lys Asp Glu Leu Cys Ala Arg Trp Asp Leu Val Cys Cys Glu  
20 25 30

Pro Leu Glu Cys Ile Tyr Thr Ser Glu Leu Tyr Ala Thr Cys Gly Ser  
35 40 45

Gly Ser Ser Gly Ser Ser  
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Val Lys Lys Asp Glu Leu Cys Ala Arg Trp Asp Leu Val Cys Cys Glu  
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Pro Leu Glu Cys Leu Gly His Gly Leu Gly Tyr Ala Tyr Cys Gly Ser  
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Gly Ser Ser Gly Ser Ser  
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Pro Leu Glu Cys Tyr Tyr Thr Gly Trp Tyr Trp Ala Cys Gly Ser Gly  
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Ser Ser Gly Ser Ser  
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20 25 30

Pro Leu Glu Cys Phe Gln Met Gly His Gly Phe Lys Arg Cys Gly Ser  
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Gly Ser Ser Gly Ser Ser  
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Met Hi